Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	200	(713/156).CCLS.	USPAT; USOCR	OR	OFF	2005/03/28 13:49
S2	198	(713/171).CCLS.	USPAT; USOCR	OR	OFF	2004/02/29 15:08
S3	159	(380/255).CCLS.	USPAT; USOCR	OR	OFF	2004/02/29 15:08
S4	393	(713/168).CCLS.	USPAT; USOCR	OR	OFF	2004/02/29 15:08
S5	101	((713/168).CCLS.) and certificate	USPAT	OR	OFF	2004/02/29 15:09
S6	82	(713/175).CCLS.	USPAT; USOCR	OR	OFF	2004/02/29 15:10
S7	38	eskicioglu-ahmet-mursit.in. wehmeyer-keith-reynolds.in. virag-david-emery.in.	US-PGPUB; USPAT; EPO; JPO	OR	OFF	2004/02/29 15:13

| S8 | 98 | (("5535276") or ("5737419") or ("5748735") or ("6131090") or ("6058188") or ("6304969") or ("5719941") or ("4965804") or ("5048087") or ("6061451") or ("6061451") or ("6091818") or ("6219652") or ("6219652") or ("6285991") or ("6148405") or ("6192473") or ("6249867") or ("6148081") or ("5838792") or ("5557678") or ("5892825") or ("6185306") or ("5237610") or ("5818934") or ("6367009") or ("6038597") or ("6098053") or ("6178506") or ("5249230") or ("5371493") or ("5402490") or ("5796829") or ("5872846") or ("5903652") or ("6032118") or ("6084969") or ("6108422") or ("6111955") or ("6260147") or ("6496928") or ("6529886") or ("6532539") or ("5222140") or ("5701343") or ("5915021") or ("6023689") or ("5210795") or ("5991404") or ("6138107") or ("6393566") or ("6356937") or ("6111956") or ("5982898") or ("6484259") or ("6049603") or ("6205553") or ("5204902") or ("6002768") or ("6145004") or ("6295359") or ("6282522") or ("6385655") or ("6697473") or ("6237093") or ("5884288") or ("6147980") or ("6282281") or ("6640301") or ("5303285") or ("5903636") or ("5943409") or ("6014561") or ("6035038") or ("6229881") or ("6243590") or ("6377685") or ("6404746") or ("6327578") or ("6003136") or ("6009175") or ("6055639") or ("6175920") or ("5321242") or ("5451757") or ("5982896") or ("6058193") or ("6105134") or ("6157719") or ("6384711") or ("6038319") or ("5818935") or ("6081830") or ("6442571") or ("5838790") or ("5966441") or ("5434907") or ("5664009") or ("5638445") or ("5761311")).PN. | USPAT; USOCR | OR | OFF | 2004/02/29 15:23 |
| S9 | 12 | (authentication authenticate) and (smart adj card) and (challenge nonce) and (service adj provider) and (set adj top adj box) and (digital adj certificate) | US-PGPUB; USPAT; EPO | OR | OFF | 2004/03/01 10:28 |

S10	22	(authentication authenticate) and (smart adj card) and ((challenge nonce) same (digital adj certificate))	US-PGPUB; USPAT; EPO	OR	OFF	2004/02/29 16:12
S11	95	(authentication authenticate) and (smart adj card) and ((challenge nonce) same (certificate)) not ((authentication authenticate) and (smart adj card) and ((challenge nonce) same (digital adj certificate)))	US-PGPUB; USPAT; EPO	OR	OFF	2004/02/29 16:12
S12	11	("4309569" | "4885778" | "5005200" | "5224163" | "5261002" | "5367573" | "5444780" | "5625693" | "5757914" | "5963649" | "5970145").PN.	USPAT	OR	OFF	2004/02/29 16:16
S13	2	("5349643" | "5495533").PN.	USPAT	OR	OFF	2004/02/29 16:19
S14	22	(authentication authenticate) and (smart adj card) and (service adj provider) and (set adj top adj box) and (digital adj certificate)	US-PGPUB; USPAT; EPO	OR	OFF	2004/03/01 10:37
S15	3	riz.in.	USPAT	OR	OFF	2004/03/01 10:32
S16	280	rix.in.	US-PGPUB; USPAT; EPO	OR	OFF	2004/03/01 10:32
S17	12	rix-simon-paul-ashley.in.	US-PGPUB; USPAT; EPO	OR	OFF	2004/03/01 10:33
S18	53	(authentication authenticate) and (smart adj card) and (service adj provider) and ((set adj top adj box) tv) and (digital adj certificate)	US-PGPUB; USPAT; EPO	OR	OFF	2004/03/01 13:14
S19	31	(authentication authenticate) and (smart adj card) and (service adj provider) and ((set adj top adj box) tv) and (digital adj certificate) not ((authentication authenticate) and (smart adj card) and (service adj provider) and (set adj top adj box) and (digital adj certificate))	US-PGPUB; USPAT; EPO	OR	OFF	2004/03/01 11:40
S20	76	wasilewski.in.	USPAT	OR	OFF	2004/03/01 11:40
S21	3	wasilewski-anthony-john.in.	USPAT	OR	OFF	2004/03/01 13:01
S22	276	(authentication authenticate) and (smart adj card) and (service adj provider) and ((set adj top adj box) tv)	US-PGPUB; USPAT; EPO	OR	OFF	2004/03/01 16:24

S23	0	(380/21).CCLS.	USPAT; USOCR	OR	OFF	2004/03/01 13:31
S24	39	certificate and (service adj provider) and authentication and ((authentication authenticate) and (smart adj card) and (service adj provider) and ((set adj top adj box) tv))	USPAT	OR	OFF	2004/03/01 13:32
S25	20	certificate and (service adj provider) and authentication and ((authentication authenticate) and (smart adj card) and (service adj provider) and ((set adj top adj box) tv)) and challenge	USPAT	OR	OFF	2004/03/01 13:51
S26	1	(multiple adj certificate) same (smart adj card)	US-PGPUB; USPAT	OR	OFF	2004/03/01 13:54
S27	4	((plurality multiple) adj certificates) same (smart adj card)	US-PGPUB; USPAT	OR	OFF	2004/03/01 13:53
S28	212	(certificates) same (smart adj card)	US-PGPUB; USPAT	OR	OFF	2004/03/01 13:54
S29	266	((authentication authenticate) same certificate) and (smart adj card) and (service adj provider)	US-PGPUB; USPAT; EPO	OR	OFF	2004/03/01 16:24
S30	1056	((713/156) or (713/171) or (713/168) or (713/175) or (380/255)).CCLS.	USPAT; USOCR	OR	OFF	2005/09/26 13:20
S31	187	S30 and (@pd > "20040220")	USPAT	OR	OFF	2005/03/24 18:35
S32	22	S31 and certificate and challenge	USPAT	OR	OFF	2005/01/11 13:59
S33	1	S31 and certificate and challenge and set-top	USPAT	OR	OFF	2005/01/11 14:00
S34	2	("5349643" | "5495533").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/03/24 16:42
S35	26	("5761309").URPN.	USPAT	OR	OFF	2005/03/24 16:43
S36	19	("4443027" | "4485300" | "4593936" | "4700055" | "4837422" | "4853522" | "5049728" | "5401950" | "5497411" | "5506395" | "5530232" | "5578808" | "5761309" | "5770843" | "5834747" | "5844230" | "5859419" | "6144948" | "6260026").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/03/24 16:45

| S37 | 89 | ("4200770" \| "4218582" \| "4309569" \| "4376299" \| "4405829" \| "4424414" \| "4529870" \| "4531021" \| "4531929" \| "4533948" \| "4567600" \| "4587627" \| "4613901" \| "4633036" \| "4634808" \| "4638356" \| "4658093" \| "4670857" \| "4694491" \| "4712238" \| "4748668" \| "4771461" \| "4792973" \| "4803725" \| "4807286" \| "4811393" \| "4843026" \| "4864615" \| "4881264" \| "4885777" \| "4888801" \| "4891781" \| "4916737" \| "4926479" \| "4932056" \| "4933970" \| "4982430" \| "4995082" \| "5001753" \| "5003591" \| "5003593" \| "5003597" \| "5029207" \| "5033084" \| "5048087" \| "5054067" \| "5077790" \| "5081677" \| "5091938" \| "5093860" \| "5093921" \| "5103476" \| "5111504" \| "5115466" \| "5115467" \| "5134700" \| "5136643" \| "5140634" \| "5144664" \| "5144667" \| "5146497" \| "5146498" \| "5150401" \| "5150408" \| "5150411" \| "5153919" \| "5163154" \| "5164986" \| "5164988" \| "5166978" \| "5173938" \| "5185795" \| "5208856" \| "5208858" \| "5208859" \| "5210710" \| "5214701" \| "5214702" \| "5216715" \| "5218637" \| "5220603" \| "5222140" \| "5224163" \| "5237611" \| "5272755" \| "5341426" \| "5446796" \| "5450489" \| "5473692").PN. | US-PGPUB; USPAT; USOCR | OR | OFF | 2005/03/24 16:51 |
| S38 | 25 | ((smart adj card) (ic adj card)) same (service adj provider) and (set-top (set adj top)) adj box | USPAT | OR | OFF | 2005/03/24 16:52 |

S39	89	("4200770" | "4218582" | "4309569" | "4376299" | "4405829" | "4424414" | "4529870" | "4531021" | "4531929" | "4533948" | "4567600" | "4587627" | "4613901" | "4633036" | "4634808" | "4638356" | "4658093" | "4670857" | "4694491" | "4712238" | "4748668" | "4771461" | "4792973" | "4803725" | "4807286" | "4811393" | "4843026" | "4864615" | "4881264" | "4885777" | "4888801" | "4891781" | "4916737" | "4926479" | "4932056" | "4933970" | "4982430" | "4995082" | "5001753" | "5003591" | "5003593" | "5003597" | "5029207" | "5033084" | "5048087" | "5054067" | "5077790" | "5081677" | "5091938" | "5093860" | "5093921" | "5103476" | "5111504" | "5115466" | "5115467" | "5134700" | "5136643" | "5140634" | "5144664" | "5144667" | "5146497" | "5146498" | "5150401" | "5150408" | "5150411" | "5153919" | "5163154" | "5164986" | "5164988" | "5166978" | "5173938" | "5185795" | "5208856" | "5208858" | "5208859" | "5210710" | "5214701" | "5214702" | "5216715" | "5218637" | "5220603" | "5222140" | "5224163" | "5237611" | "5272755" | "5341426" | "5446796" | "5450489" | "5473692").PN.	US-PGPUB; USPAT; USOCR	OR	OFF	2005/03/24 16:58
S40	1086	((713/156) or (713/171) or (713/168) or (713/175) or (380/255)).CCLS.	USPAT	OR	OFF	2005/03/24 18:35
S41	0	S40 and (@pd > "20051101")	USPAT	OR	OFF	2005/03/24 18:35
S42	0	S40 and (@pd > "20051101")	USPAT	OR	OFF	2005/03/24 18:35
S43	3	encrypt adj certificate	USPAT	OR	OFF	2005/03/25 15:33
S44	405	encrypt same certificate	USPAT	OR	OFF	2005/03/25 15:33
S45	162	encrypt near10 certificate	USPAT	OR	OFF	2005/03/25 15:33

S46	23	"5757920"	USPAT	OR	OFF	2005/03/28 13:50
S47	1	("5757920").PN.	USPAT	OR	OFF	2005/03/28 13:54
S48	101	certificate with (seal sealed)	USPAT	OR	OFF	2005/03/28 14:05
S49	1	("5787172").PN.	USPAT	OR	OFF	2005/03/28 14:05
S50	1230	((713/156) or (713/171) or (713/168) or (713/175) or (380/255)).CCLS.	USPAT	OR	OFF	2005/09/26 13:21
S51	137	S50 and (@pd > "20050324")	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/26 13:21
S52	60	S50 and (@pd > "20050324") and certificate	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/26 13:22
S53	153	(authenticat$5 and (public adj key) and (private adj key) and certificate and decrypt$3 and encrypt$3 and (sender receiver host device program part$3)).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/26 15:29
S54	4	("5226079" | "5373559" | "5491752" | "5717756").PN.	US-PGPUB; USPAT; USOCR	OR	ON	2005/09/26 13:53
S55	1	("4885777").PN.	USPAT	OR	OFF	2005/09/26 14:16
S56	0	9-74408	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/26 14:16
S57	49	"74408"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/26 15:21
S58	503	confirm$5 with public adj key with (encrypt$3 sign$3 signature)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/26 15:22

S59	52	(confirm$5 with public adj key with (encrypt$3 sign$3 signature)).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/26 15:22
S60	83	(authenticat$5 and (public adj key) and (private adj key) and certificate and decrypt$3 and encrypt$3 and (sender receiver host device program part$3)).clm. and ((set-top adj box (set adj top adj box) tv video television cable))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2005/09/26 15:30